







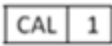

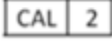




BioCLIA[®] Autoimmune Calibrator Set

RF IgG

RF IgG Assay Calibrators

Key to Symbols Used

	Catalog Number		Expiration Date
	For <i>In Vitro</i> Diagnostic Use		Lot Number
	Store between +2°C and +8°C		Consult Instruction for Use
	Manufacturer		Authorized Representative in European Union
	Calibrator 1		Contains Sufficient for $< n >$ Tests
	Calibrator 2		Chemical Risk Warning
			Biological Risk Warning

BioCLIA® Autoimmune Calibrator

Set, RF IgG

Intended Use

The BioCLIA Autoimmune Calibrator Set, RF IgG is intended for the calibration of the BioCLIA RF IgG performed on the BioCLIA® 1200 and BioCLIA® 6500.

Catalog Numbers

MY00231 (2 X 1 mL)

MY00282 (4 X 1 mL)

Summary and Principles of the Procedure

Rheumatoid factors (RFs) are anti-antibodies specific to the degenerated IgG antibodies caused by infection factors (bacteria, viruses, etc.). B cell clones for expressing RFs exist in rheumatoid arthritis (RA) patients and about 50% of healthy human bodies. A large amount of RFs produced under certain pathologic conditions such as degenerated IgG or EB virus directly stimulating the B cells.¹ Commonly, RFs include IgA, IgD, IgE, IgG and IgM types.^{2,3}

The presence of RFs in serum can indicate the occurrence of suspected autoimmune activity unrelated to rheumatoid arthritis, such as that associated with tissue or organ rejection. In such instances, RF may serve as one of several serological markers for autoimmunity.⁴ The sensitivity of RFs for established rheumatoid arthritis is only 60-70% with a specificity of 78%.⁵ RFs positive patients are likely to have extra-articular manifestation that includes subcutaneous nodules and vasculitis. Patients with a high concentration of RFs suffer from diseases like rheumatoid arthritis (RA, 50-90%), Sjogren's syndrome (75-95%).⁶ In addition, it was also found that RFs are related to systemic lupus erythematosus (SLE, 15-35%), polymyositis (55-10%), systemic sclerosis (20-30%), mixed connective tissue disease (MCTD, 50-60%) or cryoglobulinemia (40-100%).^{7,8} Specifically, determination of RF-IgG has a high specificity for RA diagnosis.

Materials supplied

- **RF IgG Calibrator 1** A tube contains 1mL, ready to use reagent. Calibrator 1 contains anti-RF IgG antibodies in MOPS (PH6.0-7.0) buffer.

RF-G CAL 1

Preservatives: 5-Bromo-5-Nitro-1, 3-Dioxane (BND) < 1%.

- **RF IgG Calibrator 2** A tube contains 1mL, ready to use reagent. Calibrator 2 contains anti-RF IgG antibodies in MOPS (PH6.0-7.0) buffer.

RF-G CAL 2

Preservatives: 5-Bromo-5-Nitro-1, 3-Dioxane (BND) < 1%.

Target value information is indicated in the 2D barcode localized in each kit.

Warnings and Precautions

The human derived material in this product was

tested by FDA approved methods and found nonreactive for Hepatitis B Surface Antigen (HBsAg), Anti-HCV and HIV 1/2 antibodies. Handle as if potentially infectious.⁹ Avoid contacting with skin and eyes. Do not empty into drains. Wear suitable protective clothing.

Precautions:



Human serum is added in the calibrators.

- The product is for *in vitro* diagnostic use only.
- Do not use any calibrators beyond their expiration dates. Do not mix calibrators from different lots unless specified.
- Instructions must be carefully followed for using and storing of calibrators. Any modification in procedure may interfere with the results. Calibrators and contaminated vials must be handled strictly following safety guidelines or rules of biological hazards to ensure the users' and environmental safety.
- Calibrators contain chemical and biological components. Avoid ingesting or splashing onto skin and mucous membrane. If direct contact with calibrators happens, rinse immediately the contact surface with plenty of water and see a doctor if necessary.

Storage Conditions

The kit is stable until the expiration date, if stored and handled as directed. Routine store the kit in refrigerator (2-8°C). Once a calibrator tube is opened, it is good for a total of 15 times, no more than 2 hours per time when kept uncapped, onboard the instrument, after which the reagent must be discarded. Three freeze-thaw cycles before testing has no effect on the kit reagents.

Assay Procedure

Note that, for obtaining optimal performance, it is important to perform all routine maintenance procedures as defined in the BioCLIA® 1200 and BioCLIA® 6500 User Manual.

See the BioCLIA® 1200 and BioCLIA® 6500 User Manual for preparation, setup, dilutions, adjustment, assay and quality control procedures.

Traceability

The reported values were determined over multiple runs on the BioCLIA® 1200 and BioCLIA® 6500 using specific lots of reagents against an in-house standard. RF IgG results are reported in RU/mL which is interpreted from relative light unit (RLU). Method comparison test showed good sensitivity and specificity of tested assay.

Limitations

This product is designed as calibrators for monitoring the performance of the BioCLIA RF IgG.

These calibrators are subjected to the limitations of the assay system. Deviations may indicate problems with one or more components in the test system.

References

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Technical Assistance

For technical assistance, contact your National Distributor.

17th April 2019

Revision 9



EUROPE REPRESENTATIVE: Emergo Europe